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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/743,713	12/24/2003	Hiroshi Kamikawa	Q79192	8326	
23373 7	7590 09/14/2005		EXAM	EXAMINER	
	MION, PLLC	HESS, BI	HESS, BRUCE H		
2100 PENNSY SUITE 800	LVANIA AVENUE, N	I.W.	ART UNIT	PAPER NUMBER	
	N, DC 20037		1774		
			DATE MAIL ED: 00/14/2004	c	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)	り		
Office Action Summary		10/743,713	10/743,713 KAMIKAWA, HIROSHI			
		Examiner	Art Unit			
		Bruce H. Hess	1774	·		
Period for Reply	S DATE of this communication of the state of		•			
WHICHEVER IS LC  - Extensions of time may be after SIX (6) MONTHS from 18 NO period for reply is soon and the same after to reply within the Any reply received by the	DNGER, FROM THE MAILING e available under the provisions of 37 CFR om the mailing date of this communication. pecified above, the maximum statutory periset or extended period for reply will, by state of the state of the maximum. See 37 CFR 1.704(b).	DATE OF THIS COMMUN 1.136(a). In no event, however, may a od will apply and will expire SIX (6) MO tute, cause the application to become A	CATION. reply be timely filed  NTHS from the mailing date of this c BANDONED (35 U.S.C. § 133).	. ,		
Status						
1) Responsive to	o communication(s) filed on	5-24-04 (Prio	(17)			
2a) This action is	FINAL. 2b)⊠ T	his action is non-final.				
•	Since this application is in condition for allowance except for formal matters, prosecution as to the ments is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
	o is/are pending in the applica	ation				
	ve claim(s) is/are without					
	is/are allowed.	ram nom oonoraarana.				
6) Claim(s) 1-2		•				
	_ is/are objected to.	•	,			
	are subject to restriction and	d/or election requirement.				
Application Papers						
_	on is objected to by the Exam	iner				
*	) filed on is/are: a)☐ a		by the Examiner			
,	not request that any objection to t	, , , , , , , , , , , , , , , , , , , ,	•			
	rawing sheet(s) including the corr	* ' '	• •	FR 1.121(d).		
	eclaration is objected to by the	· · · · · · · · · · · · · · · · · · ·	· · · · · ·	• •		
Priority under 35 U.S.	C. § 119		·			
	ent is made of a claim for fore ome * c)⊡ None of:	gn priority under 35 U.S.C.	§ 119(a)-(d) or (f).			
1. 🔀 Certifie	d copies of the priority docume	ents have been received.				
2.☐ Certifie	d copies of the priority docume	ents have been received in A	Application No			
3.☐ Copies	of the certified copies of the p	riority documents have beer	received in this National	Stage		
applica	tion from the International Bur	eau (PCT Rule 17.2(a)).				
* See the attache	ed detailed Office action for a l	ist of the certified copies not	received.			
Attachment(s)						
1) X Notice of References C			Summary (PTO-413)			
	s Patent Drawing Review (PTO-948)		(s)/Mail Date Informal Patent Application (PT0	O-152)		
<ol> <li>Information Disclosure Paper No(s)/Mail Date</li> </ol>	Statement(s) (PTO-1449 or PTO/SB/	6) Other:		J-102)		

Application/Control Number: 10/743,713 Page 2

Art Unit: 1774

Claims 1-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over the patent to Hosoi et al. (USP 5,525,571).

This patent suggests heat-sensitive recording material which can employ microcapsules having different particle diameters (see column 11, lines 44-56 and in particular lines 45,46,49 and 50 wherein microcapsules having small diameters and microcapsules having large diameters are disclosed). While a mixture of microcapsules having different glass transition points is preferred, the suggestion to employ a mixture of microcapsules having different average particle diameters as an alternative is clear. The experimental modification of this prior art in order to ascertain optimum operating conditions (e.g., determine the difference between the diameters of the small and large microcapsules and the mass ratio of large particles to small particles) fails to render applicant's claims patentable in the absence of unexpected results.

BRUCE H. HESS PRIMARY EXAMINER GROUP 1300